SERVICE INSTRUCTIONS

RD-M500
RD-M400
RD-M300
RD-M200

Rear Derailleur

Before use, read these instructions carefully, and follow them for correct use.

Capacity

GS: Long cage/SGS: Super long cage

- Total capacity (front difference plus rear difference): 36 teeth or less (GS)/38 teeth or less (SGS)
- Rear smallest sprocket: 12 teeth (GS, SGS)/ Rear largest sprocket: 30 teeth (GS)/32 teeth (SGS)

Note: The above capacity is the value when the B-tension adjustment bolt is completely tightened.

Note

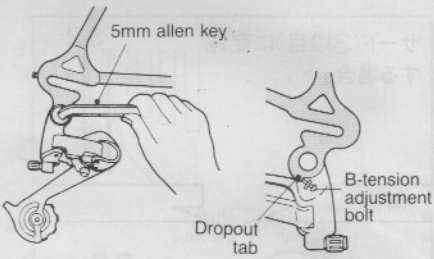
- If used as STI, be sure to use the following combination:
  - STI (Shifting lever).....ST-M050/SL-M300/SL-M200/SL-M201
  - Rear derailleur.....RD-M500/RD-M400/RD-M300/RD-M200
  - Freehub•Freewheel FH-M550/FH-HG50/FH-HG20/FH-RM50/ MF-Z012
  - Chain .....Hyperglide compatible narrow type UG chain (except for the RD-M200 6-speed specifications)
  - Outer cable.....Shimano SIS-SP cable/ Shimano SIS-SP sealed cable
- Because the high cable resistance of a frame with internal cable gnides would impair the SIS function, this type frame should not be used.

1. Assembly to Frame

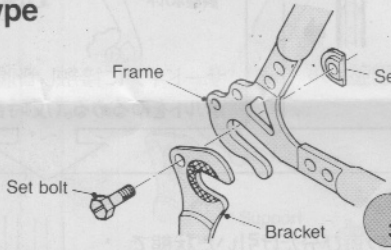
• Direct-mount type

Bracket axle tightening torque: 80—100 kgfcm (70—85 in.lbs.)

When installing, be careful that deformation is not caused by the B-tension adjustment bolt coming into contact with the dropout tab.

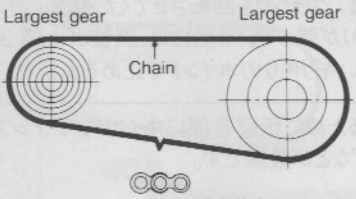


• Bracket type



Tightening torque: 30—40 kgfcm (26—35 in.lbs.)

2. Chain Assembly

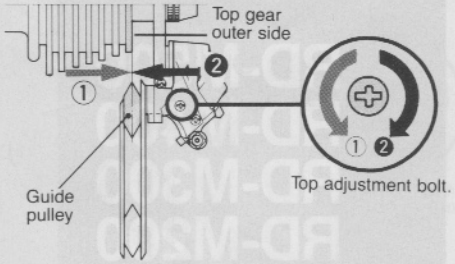


Add 2 links (with chain tightened)

3. Stroke Adjustment and Cable Connection

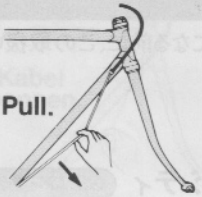
1. Top adjustment

Turn the top adjustment bolt to adjust so that, looking from the rear, the guide pulley is below the outer line of the top gear.



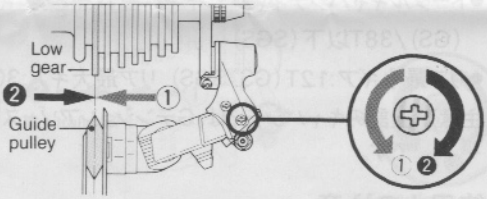
2. Inner cable connection

Connect the inner cable to the rear derailleur and, after the pre-stretch as shown in the figure, reconnect to the rear derailleur.



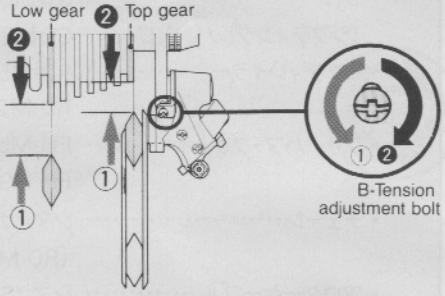
3. Low adjustment

Shift to lowest gear and turn the low adjustment bolt to adjust so that the guide pulley moves to a position directly below the low gear.



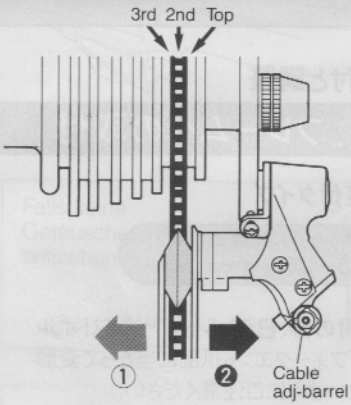
4. How to Use B-Tension Adjustment Bolt

Mount the chain on the chainwheel's smallest gear and the freewheel's largest gear, and turn the crank backward. Then turn the B-tension adjustment bolt to adjust the guide pulley as close to the gear as possible but not so close that it touches. Next, set the freewheel to the smallest gear and repeat the above to make sure the pulley does not touch.

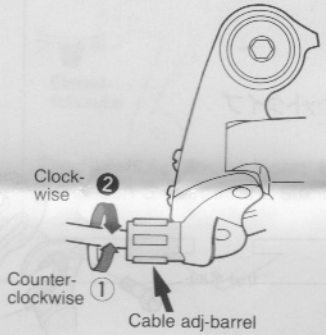


5. STI Adjustment

1. Operate the shifting lever to move the chain from the top gear to the 2nd gear.
- If the chain will **not move to the 2nd gear,** turn the cable adjusting barrel to increase the tension.....① **(counter clockwise)**
- If the chain **moves past the 2nd gear,** decrease the tension.....② **(clockwise)**



2. Next with the chain on the 2nd gear, increase the inner cable tension ① while turning the crank forward. Stop turning the cable adjusting barrel **just before the chain makes noise against the 3rd gear.** This completes the adjustment.



For the best STI performance, lubrication is recommended for all power-transmission parts. The optimum oil is dry molybdenum oil or a similar oil.

Please note: specifications are subject to change for improvement without notice. (English)

SHIMANO

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